



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 04, 2013

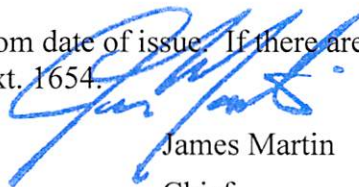
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1701038, issued to CNX GAS COMPANY LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 10618 (A 226)
Farm Name: WILEY, STANLEY D., ET AL
API Well Number: 47-1701038
Permit Type: Plugging
Date Issued: 11/04/2013

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B
Rev. 2/01

1) Date October 8, 2013
2) Operator's
Well No. 10618
3) API Well No. 47-017 - 01038

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas X/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production X or Underground storage ____) Deep ____/ Shallow X

5) Location: Elevation 862.19' Watershed Beverlin Fork
District McClellan 05 County Doddridge 17 Quadrangle Folsom 349

6) Well Operator CNX Gas Company LLC 7) Designated Agent Jeremy Jones
Address P.O. Box 1248 Address P.O. Box 1248
Jane Lew, WV Jane Lew, WV

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Douglas Newlon Name See Attached
Address 4060 Dutchman Road Address _____
McFarlan, WV 26148

10) Work Order: The work order for the manner of plugging this well is as follows:

1. Load Hole with Gel and circulate @ 1895'
2. Spot 300' cement plug in 4.5" csg 1895'-1595'
3. Cut and pull 4.5" csg @ 1550'
4. Gel hole
5. Spot 100' cmt plug over cut 1550'-1450'
6. Spot ^{150'}100' cmt plug over hole change ^{800'}950'-~~850'~~ ^{AND ACROSS ELEVATION.}
7. Spot 100' cmt plug over hole change 250'-150'
8. Spot 100' cmt plug to surface 100'-0'. 9. Set monument

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Douglas Newlon

Date 10-16-2013

Received
OCT 18 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

1701038P

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 7

Rotary ☐
Spudder ☐
Cable Tools ☐
Storage ☐

Quadrangle CenterpointPermit No. Dod-1038

WELL RECORD

Oil or Gas Well GasCompany Allegheny Land & Mineral CompanyAddress Clarksburg, W. Va.Farm S. M. Cumberland Hrs. Acres 186

Location (waters)

Well No. A-226 Elev. 858District McClellan County DoddridgeThe surface of tract is owned in fee by FreebandAddress Walden, W. Va.Mineral rights are owned by S. M. Cumberland Hrs.Address Clarksburg, W. Va.Drilling commenced September 2, 1963Drilling completed September 28, 1963

Date Shot From To

With

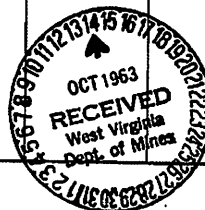
Open Flow 76 /10ths Water in 2" Inch/10ths Merc. in InchVolume 368,000 Cu. Ft.Rock Pressure Not taken hrs.Oil Show only bbls., 1st 24 hrs.

WELL ACIDIZED

WELL FRACTURED October 4, 1963 By Dowell Water, sand, acid.RESULT AFTER TREATMENT 80/10 Water 4" 1,501 MROCK PRESSURE AFTER TREATMENT 460# 12 hr.Fresh Water Hole full Feet 22 Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	25	Fresh water	22	Hole full
Red Rock			25	35			
Slate			35	85			
Red Rock			85	95			
Slate			95	148			
Sand			148	158			
Slate			158	258			
Lime			258	294			
Red Rock			294	310			
Slate			310	320			
Lime			320	385			
Slate & shells			385	633			
Sand			633	650			
Slate			650	685			
Sand			685	705			
Slate			705	710			
Lime			710	727			
Red Rock			727	775			
Slate			775	860			
Lime			860	880			
Slate			880	916			
Sand			916	945			
Slate			945	970			
Sand			970	1000			
Slate			1000	1060			
Lime			1060	1093			
Gas sand			1093	1114			
Slate & shells			1114	1170			
Lime			1170	1185			
Slate & shells			1185	1333			

(over)



Received

Office of Oil and Gas
WV Dept. of Environmental Protection

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1333	1380			
Slate			1380	1512			
Sand			1512	1524			
Slate			1524	1627			
Red Rock			1627	1675			
Slate			1675	1680			
Red Rock			1680	1744			
Slate & shells			1744	1756			
Little Lime			1756	1772			
Slate			1772	1797			
Big Lime			1797	1868			
Keener sand			1868	1878			
Injun			1878	1905	Gas	1878-1882 2/10	1" 1st
Break			1905	1914			
Squaw			1914	1998	Gas	1955-1970 76/10	4"
Slate			1998	2006	Oil	1970-1975	Show 36"
Total depth				2006			

4 1/2" casing perforated; 1966.5 to 1972.5 -- 2 1/2 shots
 1894.5 to 1900.5 -- 2 1/2 shots

Baker plug set at 1950 and well was fractured in formation above and below plug.

Received

OCT 18 2013

Office of Oil and Gas
 WV Dept. of Environmental Protection

WV - PAGE

Date October 10, 19 63

APPROVED Allegheny Land & Mineral Co., Owner

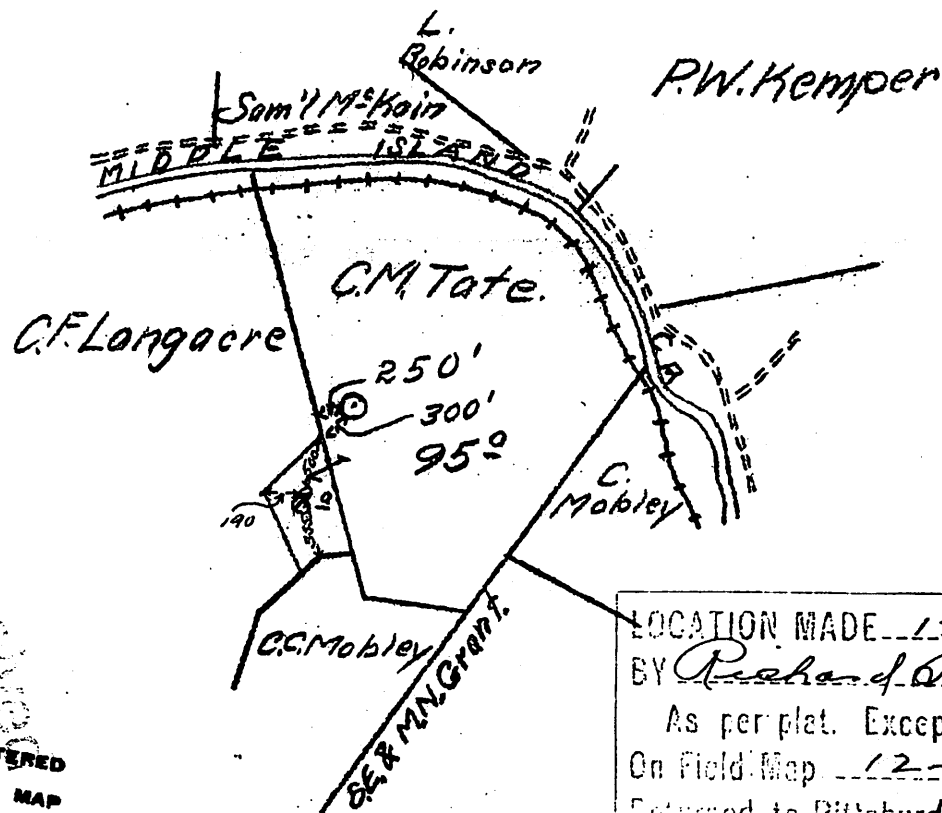
By Clarence Dawson, Mahons, W. Va.
 (Title)

Neale Creek District, Boone County, West Virginia.

Lease No. 4404 Acres 102 Range: N. 11 E. 8 W.

Scale 1" = 80 Poles Made 19

250' from C.F. Longacre line
300' " Northery cor. of 6th tract X 95th tract
of same farm.



LOCATION MADE 12-9-1908
BY Richard Scott
As per plat. Except as noted
On Field Map 12-11-1908
Returned to Pittsburgh DEC 10 1908

RECEIVED
ENTERED
LINE MAP
DEC 29 1908
BY C.F.R.

Office of Coal and Gas, Indiana
V.P. 1000, 1000, 1000, 1000, 1000

1701088P

Latitude 37° 30'

Longitude 80° 36'

2.69 mi. S
1.12 mi. W

PHILLIPS

SWISSER

LEMASTERS

BURNING ROCK

WELL #1
Elev. 858'

S.M. CUMBERLEDGE HAZ.
186 Ac.

ROAD AT RUSKIN CEMETERY (B23)

1" = 500'

WELL LOCATION MAP

FILE NO. 200-1038

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

Company ALLKERRY Lumber & Mining Co.
Address CLARKSBURG, W. Va.
Farm S.M. CUMBERLEDGE HAZ.
Tract _____ Acres 186 Lease No. A
Well (Farm) No. ONE Serial No. A-226
Elevation (Spirit Level) 858'
Quadrangle CENTRAPOINT
County DODDRIEDGE District MILLICAN
Engineer W.H. WATSON
Engineer's Registration No. 3748
File No. 63039-5 Drawing No. _____
Date 7/10/63 Scale 1" = 500'

MINIMUM ERROR OF CLOSURE 1 P.M. 2000
SOURCE OF ELEVATION 4 OF ROAD AT RUSKIN CEMETERY (B23)

New Location ☒
Drill Deeper ☐
Abandonment ☐
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY PARAGRAPH 6 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINES LAWS OF WEST VIRGINIA.

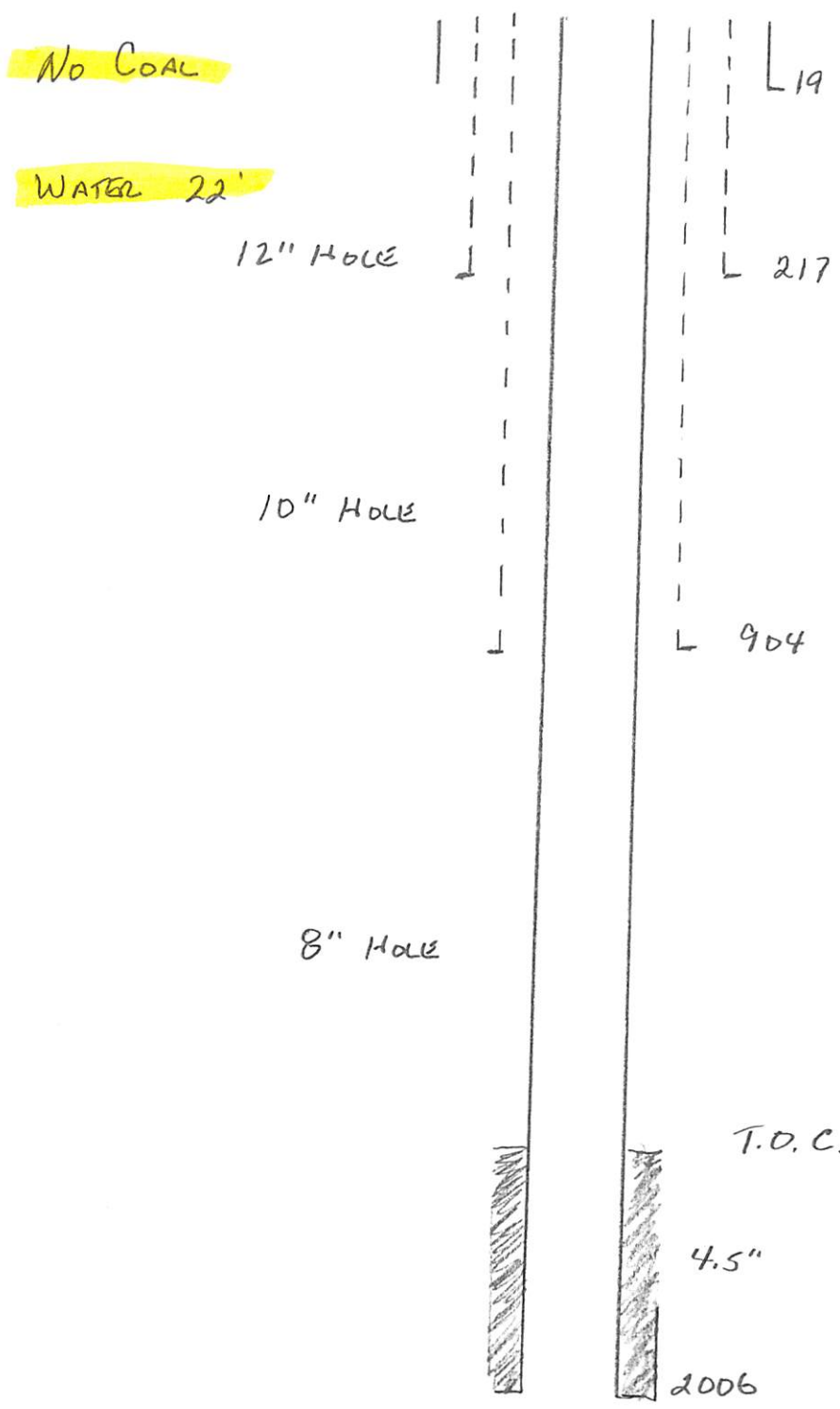
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WN 10618

PERMIT 47-17-1038

ELEV. 858'



Received
OCT 18 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

WW-4A
Revised 6-07

1) Date: October 8, 2013

2) Operator's Well Number
10618

3) API Well No.: 47 - 017 - 01038

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:

(a) Name Earnest R. Wiley
Address HC 67 Box 31
Centerpoint, WV 26339
(b) Name Stanley and Mary Wiley
Address 1882 Rolling Acres Road
Cumberland, WV 26047

(c) Name _____
Address _____

6) Inspector Douglas Newlon
Address 4060 Dutchman Road
McFarlan, WV 26148
Telephone 304-932-8049

5) (a) Coal Operator

Name None of Declaration
Address _____

(b) Coal Owner(s) with Declaration

Name None of Declaration
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration

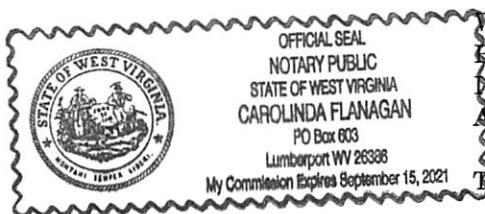
Name None of Declaration
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator

By: _____

Its: _____

Address _____

Telephone _____

CNX Gas Company LLC

Jeremy Jones

Designated Agent - General Manager, WV Gas Operations

P.O. Box 1248

Jane Lew, WV 26378

304-884-2009 - Amanda Wright, Permitting Supervisor

Subscribed and sworn before me this 8th day of October 2013

My Commission Expires 9/15/2021

Notary Public

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
OCT 18 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

1701038 P

WW-9
Rev. 5/08

Page 1 of 3
API Number 47 - 017 - 01038
Operator's Well No. 10618

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name CNX Gas Company LLC OP Code 494458046

Watershed Beverlin Fork Quadrangle Folsom

Elevation 862.19' County Doddridge District McClellan

Description of anticipated Pit Waste: Fluids associated with the plugging of existing gas wells

Will a synthetic liner be used in the pit? Yes - 20 ml

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application
☐ Underground Injection (UIC Permit Number _____)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- ☐ Drilling ☐ Swabbing
☐ Workover ☒ Plugging
☐ Other (Explain _____)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

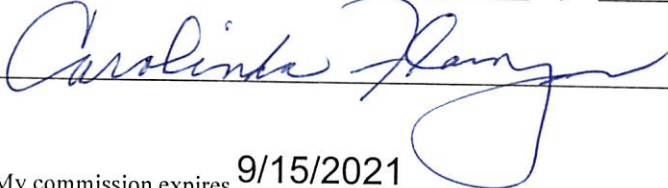
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature 

Company Official (Typed Name) Jeremy Jones

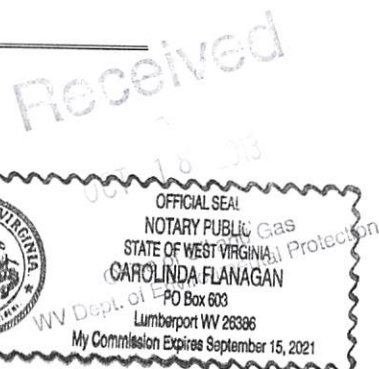
Company Official Title Designated Agent - General Manager WV Gas Operations

Subscribed and sworn before me this 10th day of October, 2013

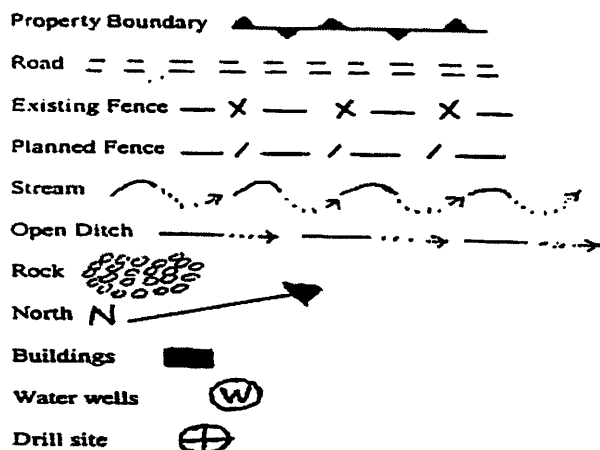


Notary Public

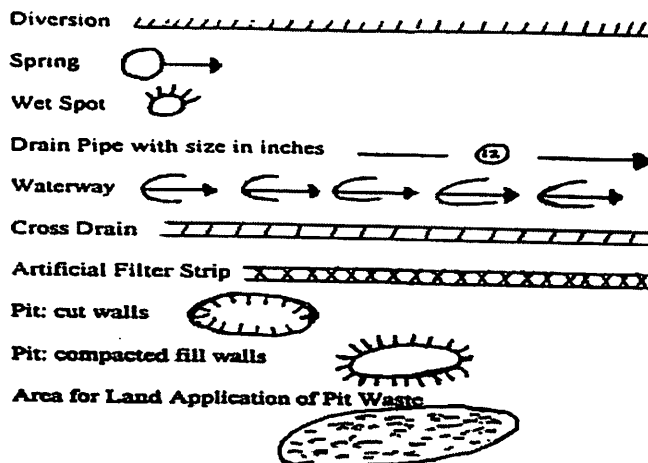
My commission expires 9/15/2021



Form WW-9

Operator's Well No. 10618

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 55.83 acres Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Orchard Grass		25
Birdsfoot Trefoil		15
Ladino Clover		10

Seed Type	Area II	lbs/acre
Orchard Grass		25
Birdsfoot Trefoil		15
Ladino Clover		10

Attach:

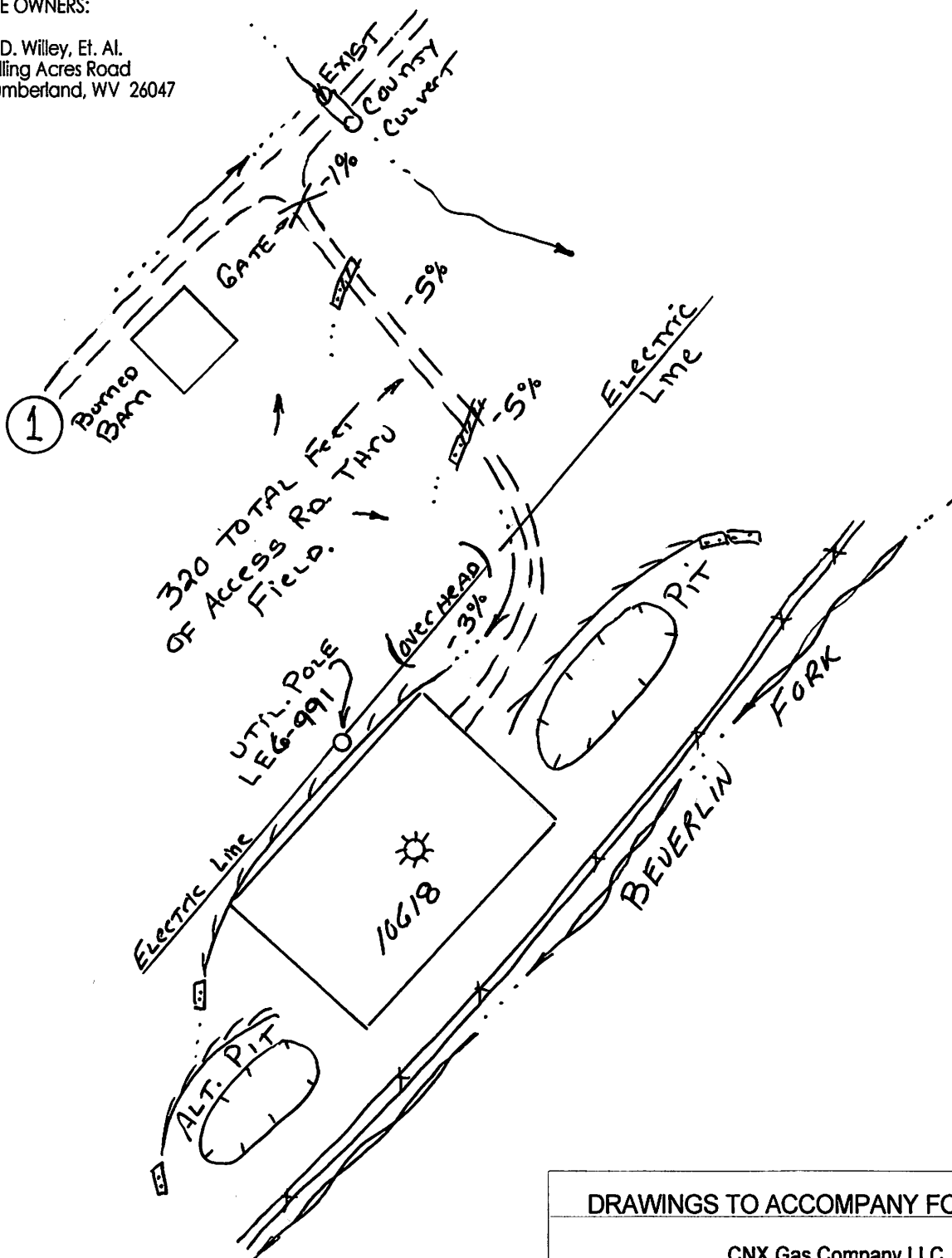
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas NewtonComments: Install ETS and reclaim to WW Rep vegetationTitle: Oil & Gas InspectorDate: 10-16-2013Field Reviewed? () Yes (☒) NoOffice of Oil and Gas
WY Dept. of Environmental Protection

SURFACE OWNERS:

Stanley D. Willey, Et. Al.
1882 Rolling Acres Road
New Cumberland, WV 26047

Additional Notes:

This site is in a small open field below
the road and above Beverlin Fork.

prepared by:

LAND SURVEYING SERVICES
21 Cedar Lane
Bridgeport, WV 26330
304-842-2018 or 5762

DRAWINGS TO ACCOMPANY FORM WW-9

CNX Gas Company LLC

P. O. Box 1248

Jane Lew, WV 26378

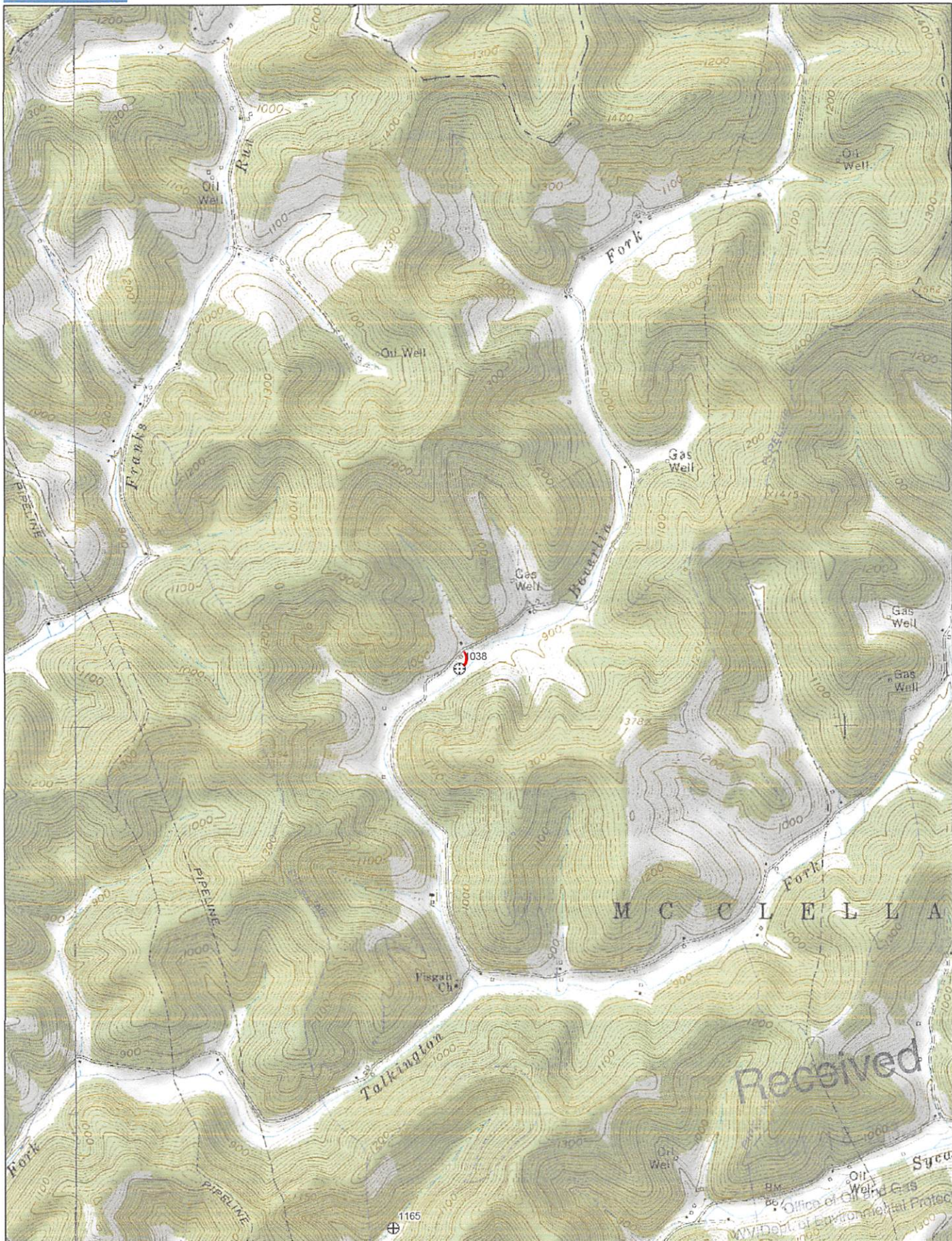
WATERSHED: Beverlin Fork

DISTRICT: McClellan CO. Doddridge

QUADRANGLE: Folsom 7.5' O.W.N. 010618

DATE: May 23, 2013 PG: 1 OF 3

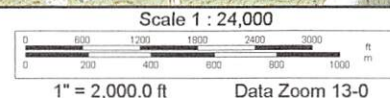
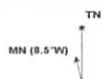
Official Environmental Protection



Data use subject to license.

© DeLorme. XMap® 7.

www.delorme.com



WW-7
5-02

**West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS**

API: 47-017-01038 WELL NO.: 10618

FARM NAME: S. M. CUMBERLEDGE

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: DODDRIDGE DISTRICT: McCLELLAN

QUADRANGLE: FOLSOM 7.5'

SURFACE OWNER: STANLEY D. WILLEY, ET. AL. 1882 ROLLING AC. RD., NEW CUMBERLAND, WV. 26047

ROYALTY OWNER: PEARL MORGAN

UTM GPS NORTHING: 4,363,360.53 METERS

UTM GPS EASTING: 534,091.08 METERS GPS ELEVATION: 262.80 METERS 862.19 FT.

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method: Survey Grade GPS ____ : Post Processed Differential ____ Real-Time Differential ____
Mapping Grade GPS X : Post Processed Differential X Real-Time Differential ____

I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature

J. Michael Evans
J. Michael Evans, PS

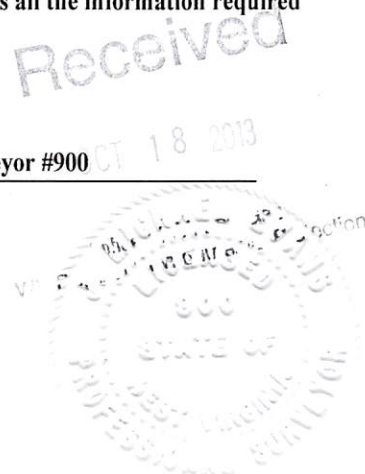
Title

WV Professional Surveyor #900

Date

05/22/13

CNX USE: NAD 27 WV NORTH SPC: 10618 = 336,639.31' 1,688,072.69' ELEV. = 862.19'





Carolinda Flanagan
Permitting Analyst
P.O. Box 1248
Jane Lew, WV 26378
(304) 884-2057
The logo for CNX GAS, featuring a stylized 'C' with a cross-like shape inside, followed by the words 'CNX GAS' in a bold, sans-serif font.

October 10, 2013

Earnest R. Wiley
HC 67 Box 31
Centerpoint, WV 26339

**Re: Well # 10618; API # 47-017-01038
McClellan District, Doddridge County**

To Whom It May Concern:

CNX Gas Company LLC is in the process of applying for a permit to **Plug** a well on the above noted lease of which you are the Surface/Coal Owner.

Enclosed are copies of the Notice and Application, Permit and the Location Plat.

Please note the instructions on the Surface/Coal Owner Waiver form. If you have no objection to the **Plugging** being done, please follow instructions as they are given, sign and date the waiver and return it to us in the self addressed envelope.

Sincerely,

A handwritten signature in cursive script that reads 'Carolinda Flanagan'.
Carolinda Flanagan

Enclosures

Received

18
Office of Oil and Gas
WV Dept. of Environmental Protection

1701038P



Carolinda Flanagan
Permitting Analyst
P.O. Box 1248
Jane Lew, WV 26378
(304) 884-2057
The logo for CNX GAS, featuring a stylized 'C' with a flame and the company name in a bold, sans-serif font.

October 10, 2013

Stanley and Mary Wiley
1882 Rolling Acres Road
Cumberland, WV 26047

**Re: Well # 10618; API # 47-017-01038
McClellan District, Doddridge County**

To Whom It May Concern:

CNX Gas Company LLC is in the process of applying for a permit to **Plug** a well on the above noted lease of which you are the Surface/Coal Owner.

Enclosed are copies of the Notice and Application, Permit and the Location Plat.

Please note the instructions on the Surface/Coal Owner Waiver form. If you have no objection to the **Plugging** being done, please follow instructions as they are given, sign and date the waiver and return it to us in the self addressed envelope.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Carolinda Flanagan'.
Carolinda Flanagan

Enclosures

Received

18
Office of Oil and Gas
WV Dept. of Environmental Protection